

## INDEX

- AVILA, A. and MOREIRA, C. G. Statistical properties of unimodal maps: the quadratic family.....831–881
- BESTVINA, M., FEIGN, M., and HANDEL, M. The Tits alternative for  $\text{Out}(F_n)$ : II: A Kolchin type theorem.....1–59
- BIANCHINI, S. and BRESSAN, A. Vanishing viscosity solutions of nonlinear hyperbolic systems.....223–342
- BOCHI, J. and VIANA, M. The Lyapunov exponents of generic volume-preserving and symplectic maps.....1423–1485
- BORISOV, L. and LIBGOBER, A. McKay correspondence for elliptic genera.....1521–1569
- BORODIN, A. and OLSHANSKI, G. Harmonic analysis on the infinite-dimensional unitary group and determinantal point processes.....1319–1422
- BRESSAN, A. See Bianchini and Bressan.
- CLOZEL, L. and ULLMO, E. Equidistribution de sous-variétés spéciales.....1571–1588
- DINH, T.-C. and SIBONY, N. Une borne supérieure pour l'entropie topologique d'une application rationnelle.....1637–1644
- EASTWOOD, M. Higher symmetries of the Laplacian.....1645–1665
- ELLENBERG, J. Serre's conjecture over  $\mathbb{F}_9$ .....1111–1142
- EPSTEIN, D. B. A. and MARKOVIC, V. The logarithmic spiral: a counterexample to the  $K = 2$  conjecture.....925–957
- ESKIN, A., MARGULIS, G., and MOZES, S. Quadratic forms of signature  $(2, 2)$  and eigenvalue spaces on rectangular 2-tori.....679–725
- FEFFERMAN, C. L. A sharp form of Whitney's extension theorem...509–577
- FEIGN, M. See Bestvina, Feign, and Handel.
- GÓMEZ, T. and SOLS, I. Moduli space of principal sheaves over projective varieties.....1037–1092
- GRACZYK, J., SANDS, D., and Świątek, G. Decay of geometry of unimodal maps: negative Schwarzian case.....613–677
- GREEN, B. Roth's theorem in the primes.....1609–1636
- GUEDJ, V. Ergodic properties of rational mappings with large topological degree.....1589–1607

- HAMBLETON, I. and PEDERSEN, E. K. Topological equivalence of linear representations for cyclic groups: I ..... 61-104
- HANDEL, M. *See* Bestvina, Feighn, and Handel.
- HOST, B. and KRA, B. Nonconventional ergodic averages and nilmanifolds ..... 397-488
- KLAINERMAN, S. and RODNIANSKI, I. Rough solutions of the Einstein-vacuum equations ..... 1143-1193
- KLAINERMAN, S. and RODNIANSKI, I. The causal structure of microlocalized rough Einstein metrics ..... 1195-1243
- KNUTSON, A. and MILLER, E. Gröbner geometry of Schubert polynomials ..... 1245-1318
- KRA, B. *See* Host and Kra.
- KURLBERG, P. and RUDNICK, Z. On the distribution of matrix elements for the quantum cat map ..... 489-507
- LABOURIE, F. Random  $k$ -surfaces ..... 105-140
- LIBGOBER, A. *See* Borisov and Libgober.
- MARGULIS, G. *See* Eskin, Margulis, and Mozes.
- MARKOVIC, V. *See* Epstein and Markovic.
- MEEKS, W. H. III and ROSENBERG, H. The uniqueness of the helicoid ..... 727-758
- MERLE, F. and RAPHAEL, P. The blow-up dynamic and upper bound on the blow-up rate for critical nonlinear Schrödinger equation ..... 157-222
- MILLER, E. *See* Knutson and Miller.
- MOREIRA, C. G. *See* Avila and Moreira.
- MOZES, S. *See* Eskin, Margulis, and Mozes.
- OLMOS, C. A geometric proof of the Berger Holonomy Theorem .... 579-588
- OLSHANSKI, G. *See* Borodin and Olshanski.
- OORT, F. Minimal  $p$ -divisible groups ..... 1021-1036
- PAPASOGLU, P. Quasi-isometry invariance of group splittings ..... 759-830
- PEDERSEN, E. K. *See* Hambleton and Pedersen.
- PESTOV, L. and UHLMANN, G. Two dimensional compact simple Riemannian manifolds are boundary distance rigid ..... 1093-1110
- RAPHAEL, P. *See* Merle and Raphael.
- RODNIANSKI, I. *See* Klainerman and Rodnianski.
- ROHDE, S. and SCHRAMM, O. Basic properties of SLE ..... 883-924
- ROSENBERG, H. *See* Meeks and Rosenberg.
- RUDNICK, Z. *See* Kurlberg and Rudnick.
- SANDS, D. *See* Graczyk, Sands, and Świątek.
- SCHRAMM, O. *See* Rohde and Schramm.
- SIBONY, N. *See* Dinh and Sibony.

- SIEBERT, B. and TIAN, G. On the holomorphicity of genus two  
Lefschetz fibrations ..... 959-1020
- SOLS, I. *See* Gómez and Sols.
- STOLOVITCH, L. Normalisation holomorphe d'algèbres de type  
Cartan de champs de vecteurs holomorphes singuliers ..... 589-612
- ŚWIATEK, G. *See* Graczyk, Sands, and Świątek.
- SZABÓ, Z. I. A cornucopia of isospectral pairs of metrics  
on spheres with different local geometries ..... 343-395
- TIAN, G. *See* Siebert and Tian.
- UHLMANN, G. *See* Pestov and Uhlmann.
- ULLMO, G. *See* Clozel and Ullmo.
- VIANA, M. *See* Bochi and Viana.
- WHITE, B. A local regularity theorem for mean curvature flow ... 1487-1519
- ZUNG, N. T. Convergence versus integrability in Birkhoff  
normal form ..... 141-156